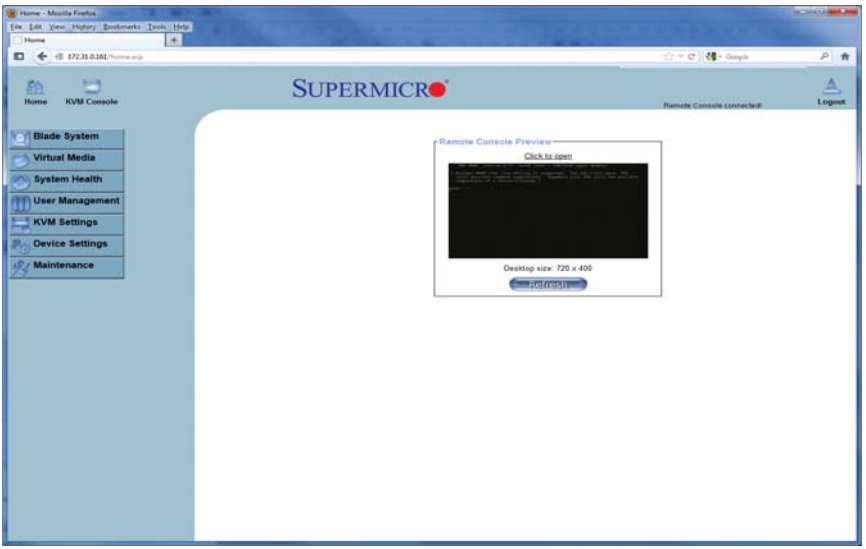
Web-based Management Utility For the SuperBlade® System



User's Manual

Revison 1.0b

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Preface

About this Manual

This manual is written for professional system integrators, Information Technology professionals, service personnel and technicians. It provides information for the use of Supermicro's Web-based Management Utility.

Manual Organization

Chapter 1: Introduction

The first chapter provides an introduction about the Web-based Management Utility.

Chapter 2: Blade System

This chapter covers the menu options and controls for the Blade System menu.

Chapter 3: Virtual Media

This chapter covers the menu options and controls for the Virtual Media menu.

Chapter 4: System Health

This chapter covers the menu options and controls for the System Health menu.

Chapter 5: User Management

This chapter covers the menu options and controls for the User Management menu.

Chapter 6: KVM Settings

This chapter covers the menu options and controls for the KVM Settings menu.

Chapter 7: Device Settings

This chapter covers the menu options and controls for the Device Settings menu.

Chapter 8: Maintenance

This chapter covers the menu options and controls for the Maintenance menu.

Chapter 8: Remote Console

This chapter covers the use of the Remote Console.

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Chapter 1
Introduction

The Web-based Management Utility is a web-based interface that consolidates and simplifies system management for Supermicro SuperBlade systems. The Web-based Management Utility aggregates and displays data from the SIMCM (the IPMI card designed for Supermicro's Chassis Management Module).

The Web-based Management Utility provides the following key management features:

- Enables IT administrators to view in-depth hardware configuration and status information using a single intuitive interface.
- Provides an OS-independent, remote graphical console.
- Allows remote users to map local media (floppy, CD-ROM, removable disks and hard drives) or ISO images on a shared network drive to a blade server.

Supported Browsers

The following browsers have been tested for use with the Web-based Management Utility. It is recommended that you use the most current revision of the browser you choose. The minimum browser revisions supported by the Web-based Management Utility are shown below:

- Internet Explorer 7
- Firefox 2.0.0.7
- Netscape 9.03b

1-1 Network Connection/Login

To log into the Web-based Management Utility:

1. Launch a web browser.
2. In the address field of the browser, enter the IP address that you assigned to the Chassis Management Module and hit the <ENTER> key.
3. When the browser makes contact with Supermicro's Chassis Management Module, enter your *username* and *password*, then click LOGIN.
4. The WEB-BASED MANAGEMENT UTILITY HOME PAGE will then display as shown in Figure 1-1.

Address Defaults

Table 1-1 shows the default addresses that are initially set for the CMM. Afterwards, you can change these values within the program (see Chapter 7: "Device Settings" on page 7-1).

Table 1-1. Address Defaults

Default	Description
Default IP Address	192.168.100.100
Default Gateway Address	0.0.0.0
Default Subnet Mask	255.255.255.0
Default username	ADMIN
Default password	ADMIN

1-2 Home Page

Figure 1-1 and Table 1-2 respectively display the WEB-BASED MANAGEMENT UTILITY HOME PAGE and its controls.

Figure 1-1. Home Page

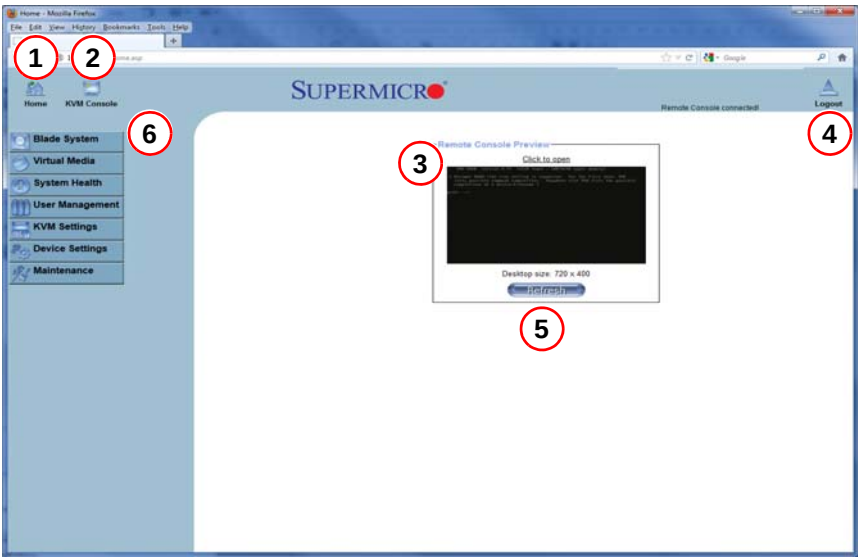


Table 1-2. Home Page Controls

Item	Name	Description
1	Home	Click this icon to return to the Home Page.
2	Console	Click this icon to open the Remote Console Page. See Chapter 9: "Remote Console" on page 9-1 for details. **NOTE:** KVM must first be initialized either with the KVM button or via management software.
3	Remote Console Page	The active page from the remote console is displayed here. Clicking on this window also accesses the remote console.. See Chapter 9: "Remote Console" on page 9-1 for details.
4	Logout	Click on this icon to log out. See Section 1-3 for details.
5	Refresh	Click on this icon to refresh the remote console preview page.
6	Main Menu Icons	Use these icons to initiate the various functions in the Web-based Management Utility. See Section for details.

Main Menu Icons

The icons below in Table 1-3 cover the main functions of IPMI. Clicking on an icon will reveal a submenu of related functions.

Table 1-3. Main Menu Icons

Icon	Description
	Click this icon for remote access and management of individual blade modules. See Chapter 2 for details.
	Click on this icon to use virtual remote media (storage) devices. See Chapter 3 for details.
	Click on this icon to view the system event log and manage the health of remote systems. See Chapter 4 for details.
	Click on this icon for User Management configuration. See Chapter 5 for details.
	Click on this icon to configure keyboard, video and mouse settings. See Chapter 6 for details.
	Click on this icon to configure device settings. See Chapter 7 for details.
	Click on this icon to get information on the SIMCM, update its firmware, check the event log and reset the unit. See Chapter 8 for details.

1-3 Log Out

From any page, click on the LOG OUT icon at the top right of the page to log out of the Web-based Management Utility.

Notes

Chapter 2
Blade System

The BLADE SYSTEM menu allows you to access and configure the various blades in your SuperBlade system. Clicking the BLADE SYSTEM icon allows you to access the following pages through its sub-menus:

- Blade Page
- Power Supply
- Ethernet Switch
- InfiniBand Switch
- CMM

2-1 Blade Page

The first BLADE option in the BLADE SYSTEM submenu allows you to check the status of all the blade modules in the system including power status, KVM status, UID status, error status and management. The command icons below the blade status list allows you to perform various functions, as shown in Figure 2-1 and described in Table 2-1

To perform a function, first click the box(es) next to the blade(s) you wish to issue a command to and then click the command button below. You can also click on any of the individual blades listed for a remote console that brings up a page with details about that particular blade.

The last column for the Blade Status page table allows you to shutdown/throttle the CPU power to a specified level when required power exceeds the system's available power.

- If it's set to 0, that blade will be shut down forcefully by the CMM
- If it's set to 50, the CMM will send a signal to throttle down the CPU
- If it's set to 100, the CMM will keep it running at normal speed

Figure 2-1. Blade Status Page

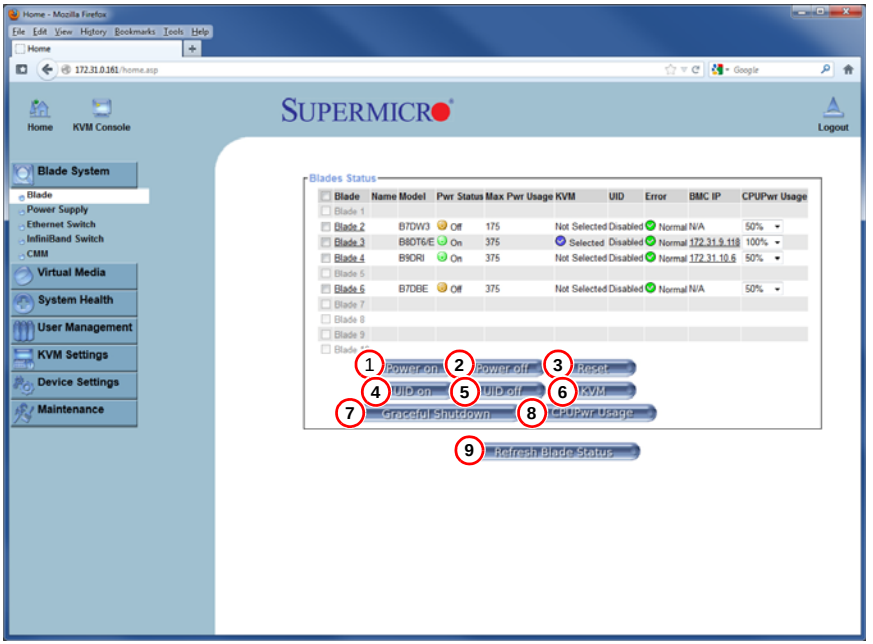


Table 2-1. Blade Status Page Controls

Item	Name	Description
1	Power On	Click to apply power to (power up) a selected blade module.
2	Power Off	Click to remove power from a selected blade module.
3	Reset	Click this icon to reset a selected blade module.
4	UID On	Click this icon to turn on the UID LED of a selected blade module.
5	UID Off	Click this icon to turn off the UID LED of a selected blade module.
6	KVM	Click on this icon to initiate Remote KVM over IP and remotely operate a selected blade module.
7	Graceful Shutdown	Click to send a selected blade module into an S5 sleep state.
8	CPU/Pwr Usage	Click this icon if you want to set a selected blade unit's CPU power usage percentage.
9	Refresh Blade Status	Click to refresh the page and update the status of the blade modules shown.

2-2 Power Supply

Click on POWER SUPPLY to reveal the POWER SUPPLY STATUS page (Figure 2-2). The POWER SUPPLY option in the BLADE SYSTEM submenu allows you to check the status of all the power supplies in the system you are accessing. Power status (on or off), temperature, fan RPM, wattage, firmware version and FRU version are all shown in the power supply status list. In addition, the commands listed in Table 2-2 may be issued to the power supplies.

To perform a function, first click the box(es) next to the power supplies you wish to issue a command to and then click the command icon.

Figure 2-2. Power Supply Status Page

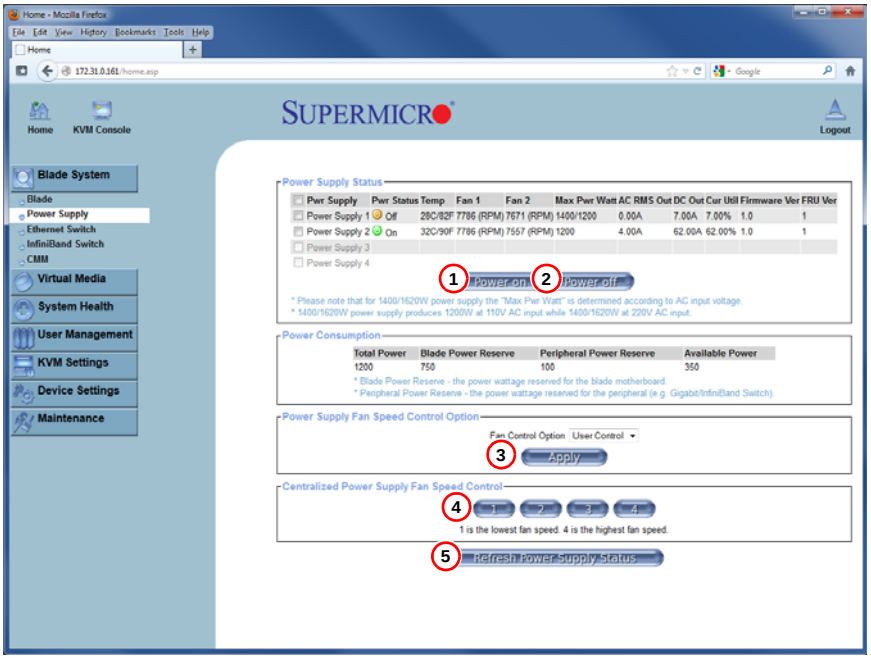


Table 2-2. Power Supply Status Page Controls

Item	Name	Description
1	Power On	Click this to power up a selected power supply.
2	Power Off	Click this to shut down a selected power supply.
3	Power Supply Fan Speed Control Option	If you change the FAN CONTROL option from AUTO CONTROL to USER CONTROL, you may alter the speed of the power supply fans by clicking one of the fan icons for Centralized Power Supply Fan Speed Control as described below. Otherwise leave at Auto Control for the system to control fan speed.

Table 2-2. Power Supply Status Page Controls (Continued)

Item	Name	Description
4	Power Supply Fan Speed Control	Set to minimum speed by clicking the icon numbered "1" and to maximum speed by clicking the icon numbered "4". The icons numbered "2" and "3" are for incremental increases between the minimum and maximum settings. After changing the fan speed, you should see the fan RPM change in the status page. Settings affect all fans simultaneously, you cannot control the speed of individual fans.
5	Refresh Power Supply Status	Click to refresh the page and update the status of the power supplies shown.

2-3 Ethernet Switch

Click on ETHERNET SWITCH to reveal the ETHERNET SWITCH STATUS page (Figure 2-3). The ETHERNET SWITCH option in the BLADE SYSTEM submenu allows you to check the status of all the GbE modules in the system you are accessing. Power status (on or off), voltage levels, temperature, error status and initialization status are all shown in the main page (see Table 2-3). In addition, the commands listed below may be issued to the GbE module.

To perform a function, first click the box(es) next to the GbE module(s) you wish to issue a command to and then click the command icon.

Figure 2-3. Ethernet Switch Status Page

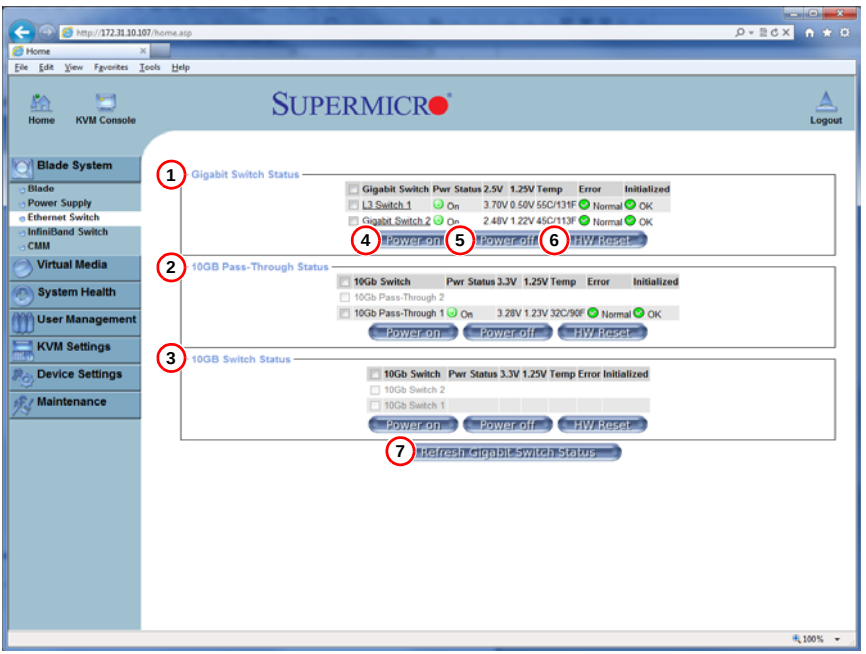


Table 2-3. Gibabit Switch Status Page Controls

Item	Name	Description
1	Gigabit Switch Status	Click on a switch listed in this section to manage and configure that GbE switch.
2	10Gb Pass-Through Status	Click on a switch listed in this section to manage and configure that 10Gb pass-through switch.
3	10Gb Switch Status	Click on a switch listed in this section to manage and configure that 10Gb switch.
4	Power On	Click this icon in each section to power up a selected GbE module.
5	Power Off	Click this icon in each section to shut down a selected GbE module.
6	HW Reset	Click this icon in each section to reset a GbE module to its default settings.
7	Refresh Gigabit Switch Status	Click this icon to refresh the page and update the status of a switch shown.

NOTE: Initially, you must manually enter the IP address for each GbE switch to gain access to it. Each IP address should be unique when there are multiple GbE switches on the same network segment.

After gaining access to the GbE switch(es), you can use the reset button to reset their configurations to the default settings. The reset button will reset all GbE switch configurations, including IP address and so on.

2-4 InfiniBand Switch

Click on INFINIBAND SWITCH to reveal the INFINIBAND SWITCH STATUS page (Figure 2-4). The INFINIBAND SWITCH option in the BLADE SYSTEM submenu allows you to check the status of the INFINIBAND SWITCH module in the system you are accessing.

Figure 2-4. InfiniBand Switch Status Page

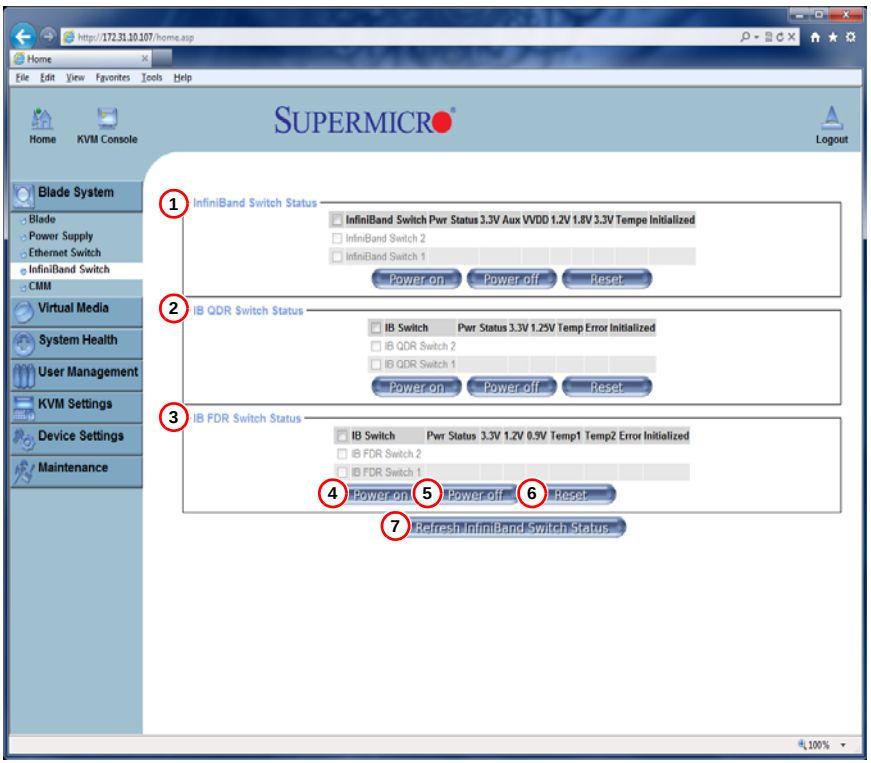


Table 2-4. InfiniBand Switch Page Controls

Item	Name	Description
1	InfiniBand Switch Status	Use this section to select, power on, power off or reset InfiniBand switches installed in your system.
2	IP QDR Switch Status	Use this section to select, power on, power off or reset Infiniband QDR switches installed in your system.
3	IP FDR Switch Status	Use this section to select, power on, power off or reset InfiniBand FDR switches installed in your system.
4	Power On	For each section, click on this icon to power on selected InfiniBand switches remotely.

Table 2-4. InfiniBand Switch Page Controls (Continued)

Item	Name	Description
5	Power Off	For each section, click on this icon to power off selected InfiniBand switches remotely.
6	Reset	For each section, click on this icon to reset selected InfiniBand switches to their default settings.
7	Refresh InfiniBand Switch Status	Click this to refresh the page and update the status of the InfiniBand switches shown.

2-5 CMM

Click on CMM to reveal the CMM STATUS page (Figure 2-5). The CMM option in the BLADE SYSTEM submenu allows you to check the status of all the CMM modules in the system you are accessing. Master/Slave status, operating status, firmware version and firmware tag status are all shown in the main page.

There are three commands you may give on this page, as described below in Table 2-5.

Figure 2-5. CMM Status Page

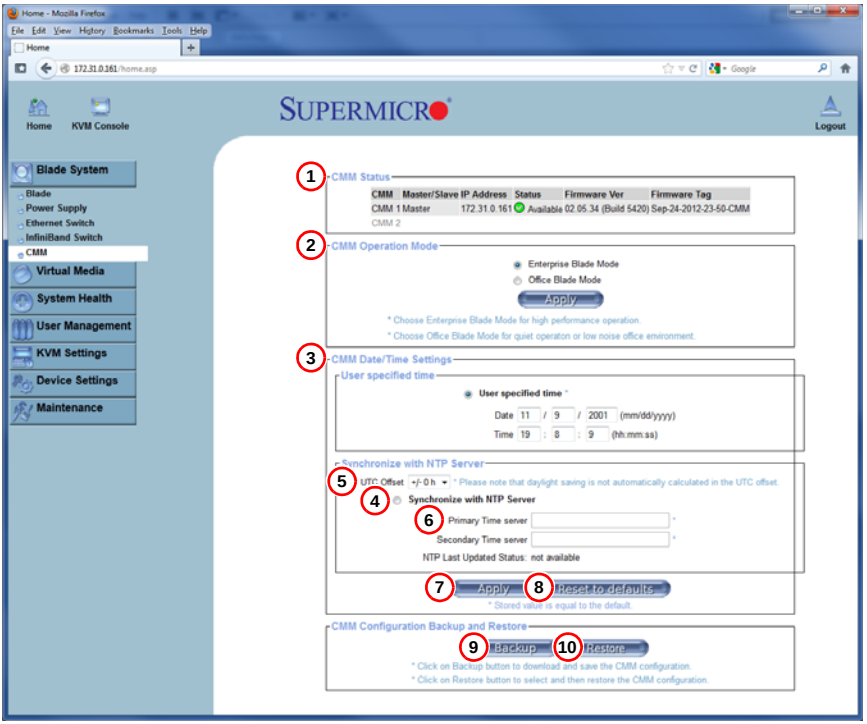


Table 2-5. CMM Status Page Controls

Item	Name	Description
1	CMM Status	Use this section to view the status of CMM modules installed in your system.
2	CMM Operation Mode	Use this control to specify either Enterprise Blade Mode or Office Blade Mode for your CMM Operation. Choose Enterprise Blade Mode for high performance operation or Office Blade Mode for quiet operation in a low noise office environment. In Enterprise Blade Mode the fan speed and performance is higher. In Office Blade Mode the fan speed is lower, generating less noise.
3	User Specified Time	This option allows the user to enter the time values for the SIMCM internal real-time clock.
4	Synchronize with NTP Server	Click this to synchronize the CMM's real-time clock with the NTP (Network Time Protocol) server.
5	UTC Offset	This pull-down menu allows you to offset the UTC Timer.
6	Primary/ Secondary Time Server	Enter the IP Address for the primary or secondary NTP server that you want to synchronize with the CMM internal real-time clock. **NOTE:** Daylight savings time cannot be automatically adjusted. Please manually set up the UTC offset twice a year to compensate for daylight savings time.
7	Apply	Click this icon to apply changes you have made in this page.
8	Reset to Defaults	Click this icon to restore default status to the controls in this page.
9	Backup	Click to download and save the CMM configuration.
10	Restore	Click to select and then restore the CMM configuration.

Chapter 3
Virtual Media

The VIRTUAL MEDIA menu allows you to configure the various media and drive systems in your SuperBlade system. Clicking the VIRTUAL MEDIA icon allows you to access the following pages through its sub-menus:

- Floppy Disk
- CD-ROM
- Drive Redirection
- Options

3-1 Floppy Disk

The FLOPPY DISK option in the VIRTUAL MEDIA submenu allows you to emulate a floppy drive in the host system to upload images to a remote blade module. The FLOPPY DISK STATUS page (Figure 3-1) that appears and its controls (Table 3-1) are shown below.

Figure 3-1. Floppy Disk Status Page

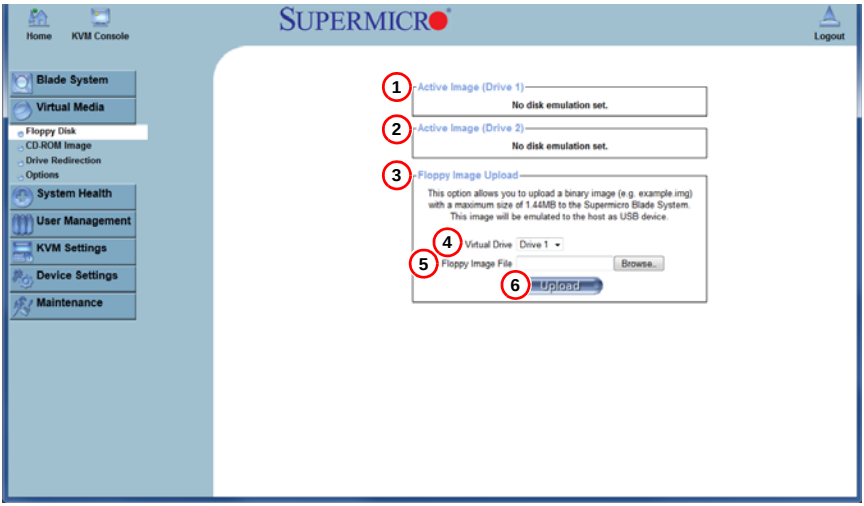


Table 3-1. Floppy Disk Status Page Controls

Item	Name	Description
1	Active Image (Drive1)	This box displays if any virtual device/image has been connected to the remote host.
2	Active Image (Drive2)	This box displays if any virtual device/image has been connected to the remote host.
3	Floppy Image Upload	This option allows the user to upload the floppy image located in the remote host as “floppy”. The floppy image uploaded should be in binary format with a maximum size of 1.44 MB. It will be loaded to the Supermicro SIMCM card and will be emulated to the host as a USB device.
4	Virtual Drive	Select a drive in the remote host as the destination drive to upload your image data to.
5	Floppy Image File	Click “Browse” to preview and select the files that you wish to upload to the selected host drive.
6	Upload	Once the correct file name appears in the box, click here to upload the floppy image to the drive specified in the remote host.

3-2 CD-ROM

The CD-ROM IMAGE option allows you to emulate a CD-ROM drive in the host system to upload images to a remote blade module. The CD-ROM IMAGE page (Figure 3-2) and its controls (Table 3-2) are shown below.

Figure 3-2. CD-ROM Image Page

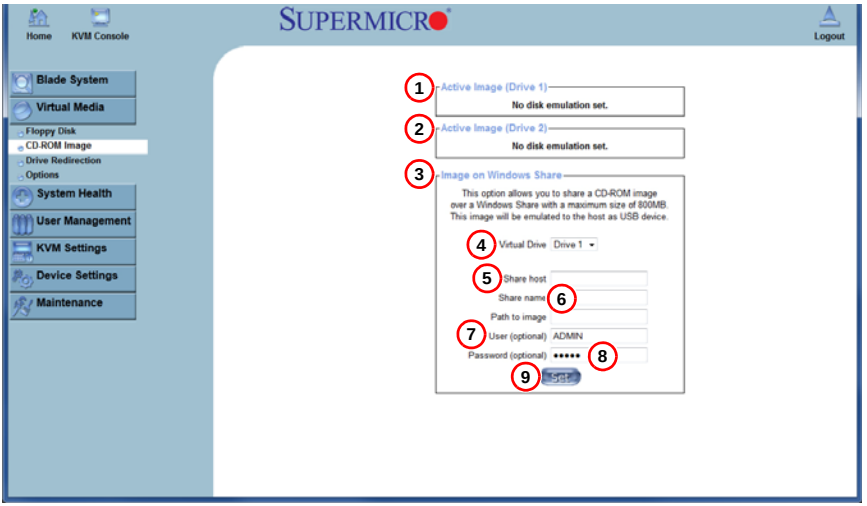


Table 3-2. CD-ROM Image Page Controls

Item	Name	Description
1	Active Image (Drive1)	This box displays if any virtual device/image has been connected to the remote host.
2	Active Image (Drive2)	This box displays if any virtual device/image has been connected to the remote host.
3	Image on Windows Share	This allows the user to decide how to share the CD-ROM ISO image file with users in the remote host.
4	Virtual Drive	Specify the drive that you want to share your data with in the remote host.
5	Share Host	Key in the IP Address or the name of the system you wish to share data with via Windows Share.
6	Share Name	Key in the name of the shared folder you wish to share data with in the remote host.
7	Path to Image	Key in the location of source files that you wish to share via Windows Share.
8	User/Password (Optional)	Key in the Username and password for the person to access the data that you want to share and click “Set” to enter your selections.
9	Set	Once you have set your parameters on this page, press the Set button to set you selected parameters for uploading images to a remote blade module

3-3 Drive Redirection

The DRIVE REDIRECTION option in the VIRTUAL MEDIA submenu allows you to configure redirection settings. The DRIVE REDIRECTIONS page (Figure 3-3) and its controls (Table 3-3) are shown below.

Figure 3-3. Drive Redirections Page

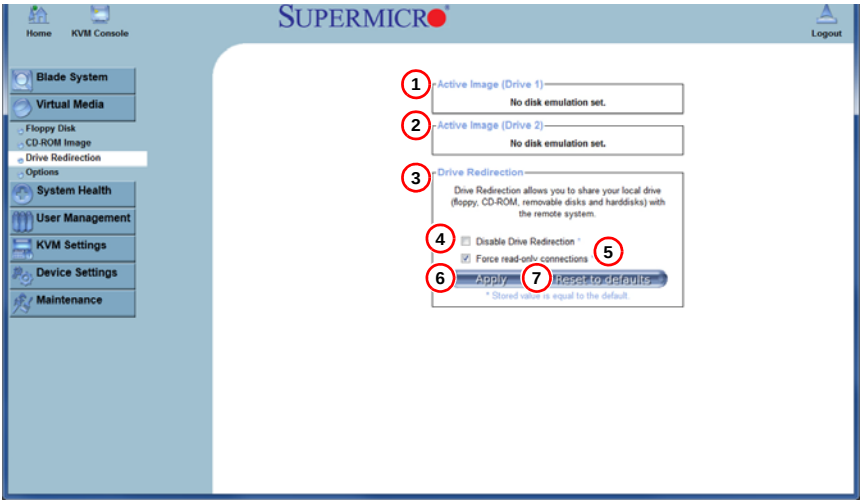


Table 3-3. Drive Redirection Page Controls

Item	Name	Description
1	Active Image (Drive1)	This box displays if any virtual device/image has been connected to the remote host.
2	Active Image (Drive2)	This box displays if any virtual device/image has been connected to the remote host.
3	Drive Redirection	Use this to configure DRIVE REDIRECTION settings.
4	Disable Drive Redirection	Check the box to disable Drive Redirection. Once this function is disabled, local drives will not be accessible for other remote systems users.
5	Force Read Only Connections	Check this box to allow the data stored in local drives to be read by a remote system, but not overwritten (for data integrity and system security purposes).
6	Apply	After configuring your settings, click “Apply” to initiate drive redirection with the parameters you've set.
7	Reset to Defaults	You can also key in your own setting values and re-set these values as “default” by clicking on this icon to reset the defaults.

3-4 Options

The OPTIONS selection in the VIRTUAL MEDIA submenu allows you to configure Virtual Media Options. The OPTIONS page (Figure 3-4) and its controls (Table 3-4) are shown below.

Figure 3-4. Options Page

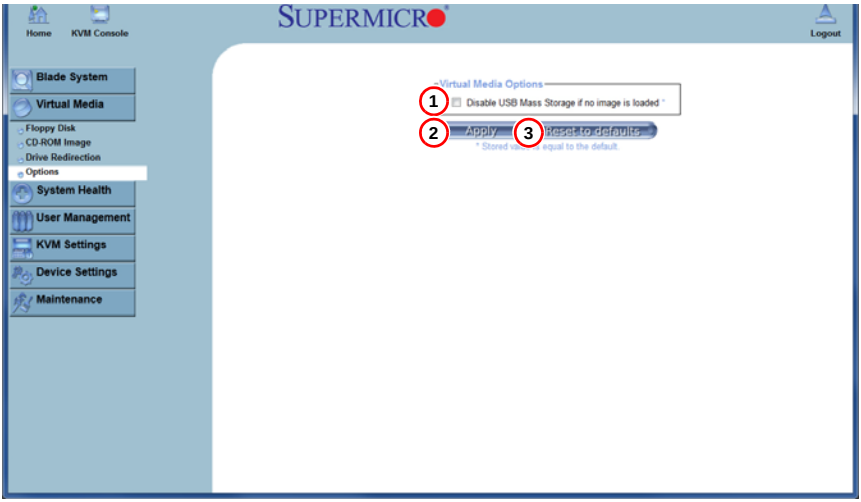


Table 3-4. Options Page Controls

Item	Name	Description
1	Virtual Media Options	Use this option to disable or enable USB mass storage in the remote host. Checking this box prevents data stored in a local drive from being accessed or uploaded by a remote system. The default setting is enabled (unchecked).
2	Apply	Once you've checked the box, click the APPLY icon to initiate.
3	Reset to Defaults	Click this icon if you want to reset the defaults for the Virtual Media Options.

Notes

Chapter 4
System Health

The SYSTEM HEALTH menu allows you to access and configure logs and alert settings in your SuperBlade system. Clicking the SYSTEM HEALTH icon allows you to access the following pages through its sub-menus:

- System Event Log
- Alert Settings

4-1 System Event Log

The SYSTEM EVENT LOG option in the SYSTEM HEALTH submenu allows you to view and clear the contents of the system event log for a remote system. The SYSTEM EVENT LOG page that appears (Figure 4-1) and its controls (Table 4-1) are shown below.

Figure 4-1. System Event Log Page

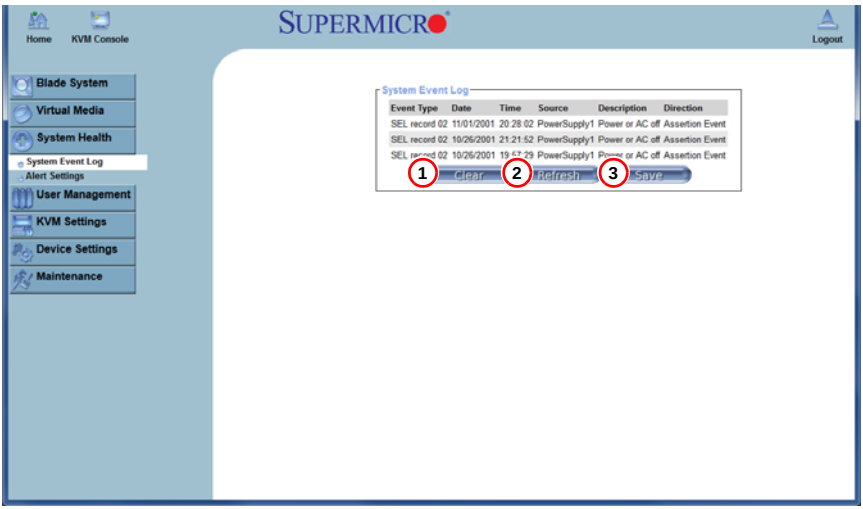


Table 4-1. System Event Log Page Controls

Item	Name	Description
1	Clear	Click on this icon to clear the event log (delete all entries).
2	Refresh	Click on this icon to refresh the event log.
3	Save	Click on this icon to Save the event log.

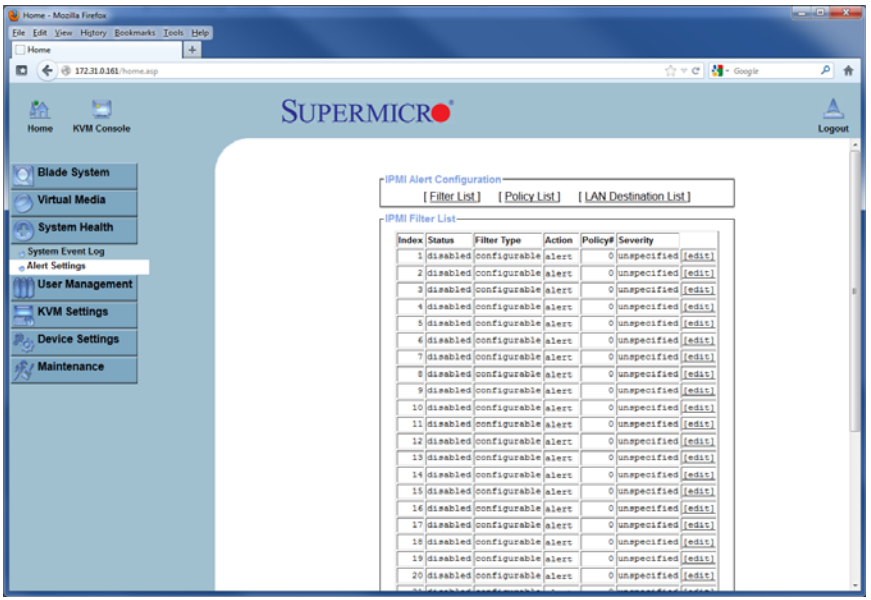
4-2 Alert Settings

The ALERT SETTINGS in the SYSTEM HEALTH submenu allow you to set the parameters to be met for a system to issue an alert.

Click on the three headings at the top of the list in the IPMI ALERT CONFIGURATION page (Figure 4-2) to sort between the three categories. The three headings are:

- **Filter List** – Selecting this link brings up the IPMI FILTER EDIT page (Figure 4-3).
- **Policy List** – Selecting this link brings up the IPMI POLICY LIST EDIT page (Figure 4-4).
- **LAN Destination List** – Selecting this link brings up the IPMI LAN DESTINATION EDIT page (Figure 4-5).

Figure 4-2. Alert Configuration Page


Home - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Home
172.31.0.161/home.asp
Google
Home
KVM Console
SUPERMICRO
Logout
Blade System
Virtual Media
System Health
System Event Log
Alert Settings
User Management
KVM Settings
Device Settings
Maintenance
IPMI Alert Configuration
[Filter List] [Policy List] [LAN Destination List]
IPMI Filter List
Index Status Filter Type Action Policy# Severity
1 disabled configurable alert 0 unspecified [edit]
2 disabled configurable alert 0 unspecified [edit]
3 disabled configurable alert 0 unspecified [edit]
4 disabled configurable alert 0 unspecified [edit]
5 disabled configurable alert 0 unspecified [edit]
6 disabled configurable alert 0 unspecified [edit]
7 disabled configurable alert 0 unspecified [edit]
8 disabled configurable alert 0 unspecified [edit]
9 disabled configurable alert 0 unspecified [edit]
10 disabled configurable alert 0 unspecified [edit]
11 disabled configurable alert 0 unspecified [edit]
12 disabled configurable alert 0 unspecified [edit]
13 disabled configurable alert 0 unspecified [edit]
14 disabled configurable alert 0 unspecified [edit]
15 disabled configurable alert 0 unspecified [edit]
16 disabled configurable alert 0 unspecified [edit]
17 disabled configurable alert 0 unspecified [edit]
18 disabled configurable alert 0 unspecified [edit]
19 disabled configurable alert 0 unspecified [edit]
20 disabled configurable alert 0 unspecified [edit]

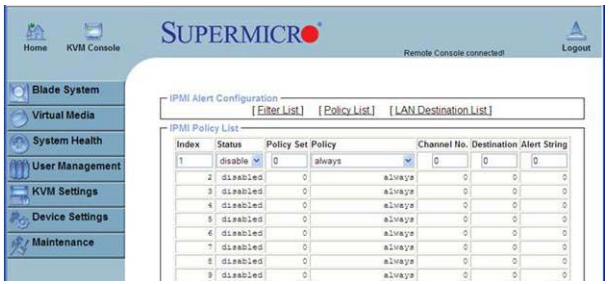
IPMI Filter Edit

Figure 4-3. IPMI Filter Edit Page

Clicking the FILTER LIST link brings up IPMI FILTER EDIT page (Figure 4-3). In this page you can set an IPMI Alert Filter using controls for Filter Number, Status, Action, Alert Policy and Event Severity.

IPMI Policy List Edit

Figure 4-4. IPMI Policy List Edit Page



Clicking the POLICY LIST link brings up IPMI POLICY LIST EDIT page (Figure 4-4). In this page you can set an IPMI Alert Policy using controls for Index number, Status, Policy Set, Policy, Channel Number, Destination and Alert String.

IPMI LAN Destination Edit

Figure 4-5. IPMI LAN Destination Edit Page

Clicking the LAN DESTINATION LIST link brings up IPMI LAN DESTINATION EDIT page (Figure 4-5). In this page you can set an IPMI Alert LAN Destinations using controls for the Destination Number, Acknowledge, Timeout, Retries and Alert Type.

Additionally, this page contains controls for IPMI LAN Alert Global Options that include Community String, SMTP Server and Email Sender Address.

Chapter 5
User Management

The USER MANAGEMENT menu allows you to configure users for your SuperBlade system. Clicking the USER MANAGEMENT icon allows you to access the following pages through its sub-menus:

- Change Password
- Users & Groups
- Permissions

5-1 Change Password

The CHANGE PASSWORDS page (Figure 5-1) is where you can change the password used to access the Web-based Management Utility. Its controls are shown in Table 5-1.

Figure 5-1. Change Passwords Page

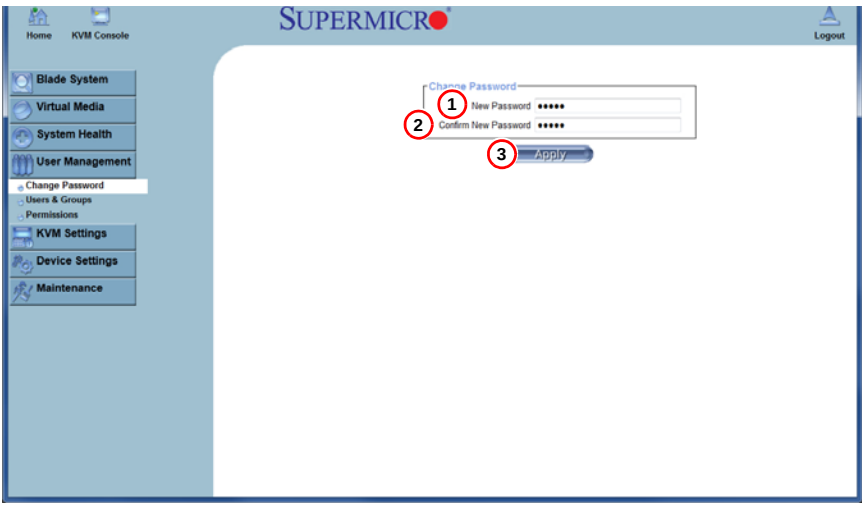


Table 5-1. Change Password Page Controls

Item	Name	Description
1	New Password	Type your new password in the window.
2	Confirm New Password	Type your new password in this second window to confirm.
3	Apply	Click this icon to apply the changes you made.

5-2 Users & Groups

The USERS & GROUPS page (Figure 5-2) is where you specify and manage groups and users, which helps you manage the remote systems you are managing. Its controls are shown in Table 5-2.

Figure 5-2. Users and Groups Page

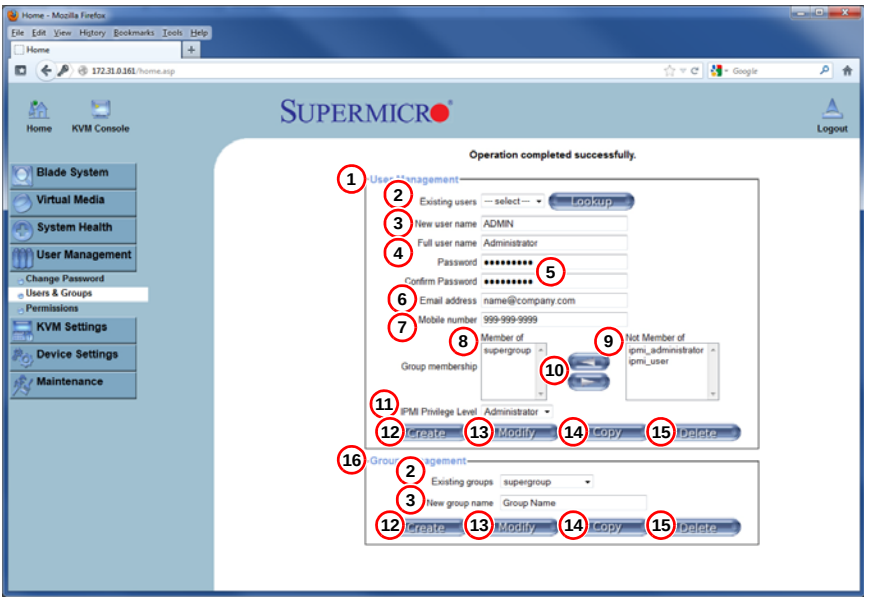


Table 5-2. Users and Groups Page Controls

Item	Name	Description
1	User Management Section	This window displays the user's information.
2	Existing users/ groups	Select an existing user/group for information updates. Once a user/group is selected, click on the Lookup icon on the right to view user/group information.
3	New users/ groups name	Type in a new user/group name in this field.
4	Full user name	Type in the user's full name in this field.
5	Password and Confirm Password	Type the user's password in the window and then retype the password in the next window to confirm. The password must at least four characters in length.
6	Email Address	Type in the user's email address in this window (optional).
7	Mobile Phone	Type in the user's mobile phone number (optional).

Table 5-2. Users and Groups Page Controls (Continued)

Item	Name	Description
8	Group Membership	This field indicates the group that the user belongs to. To select a group, click on the group name in the “Not Member Of” window (9) select it, then click on the backwards arrow (10) to enter the group name in the Group Membership field (8). Reverse the procedure to remove the user from a group.
9	Not Member Of Window	Select a member in this window for assigning to group membership.
10	Backwards/ Forwards Arrows	Use these arrows to add or remove a member from a group membership.
11	IPMI Privilege Level	Click on the pull-down arrow to activate the Privilege Selection menu. The IPMI Privilege Level contains five categories: No Access, User, Operator, Administrator and OEM.
12	Create	Click this icon to create a new user or group in the User/Group Management fields.
13	Modify	Click this icon to modify a user's or group information in the User/Group Management fields.
14	Copy	Click on this button to copy a user's or group information in the User/Group Management fields. Copy User: select an existing user from the selection box. Enter a new user name in the “New User Name” window. Click the “Copy” icon and a new user with the name you typed in will be created. The properties of the selected user will be copied to the new user. Copy Group: select an existing group from the selection box. Enter a new group name in the “New Group Name” window. Click the “Copy” icon and a new group with the name you typed in will be created. The properties of the selected group will be copied to the new group.
15	Delete	Click on this button to delete a user's or group information in the User/ Group Management fields.
16	Group Management	This window allows you to enter group information for better user management. Create and modify groups they same way you do for users.

5-3 Permissions

You can use the PERMISSIONS option to grant and deny access to various IPMI functions in the PERMISSIONS page (Figure 5-3) using its controls (Table 5-3).

Figure 5-3. Permissions Page

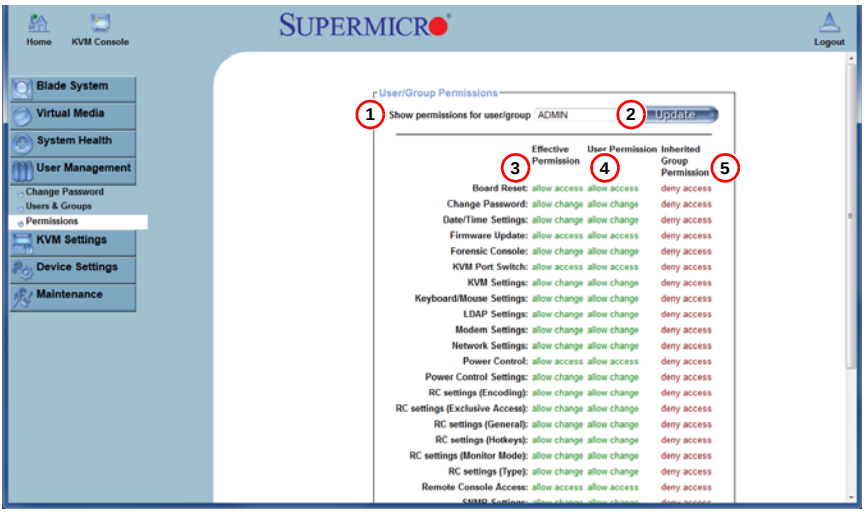

Home
KVM Console
SUPERMICRO
Logout
Blade System
Virtual Media
System Health
User Management
Change Password
Users & Groups
Permissions
KVM Settings
Device Settings
Maintenance
User/Group Permissions
1
Show permissions for user/group
ADMIN
2
Update
3
Effective Permission
4
User Permission
Inherited Group Permission
5
Board Reset: allow access allow access deny access
Change Password: allow change allow change deny access
Date/Time Settings: allow change allow change deny access
Firmware Update: allow access allow access deny access
Forensic Console: allow change allow change deny access
KVM Port Switch: allow access allow access deny access
KVM Settings: allow change allow change deny access
Keyboard/Mouse Settings: allow change allow change deny access
LDAP Settings: allow change allow change deny access
Modem Settings: allow change allow change deny access
Network Settings: allow change allow change deny access
Power Control: allow access allow access deny access
Power Control Settings: allow change allow change deny access
RC settings (Encoding): allow change allow change deny access
RC settings (Exclusive Access): allow change allow change deny access
RC settings (General): allow change allow change deny access
RC settings (Hotkeys): allow change allow change deny access
RC settings (Monitor Mode): allow change allow change deny access
RC settings (Type): allow change allow change deny access
Remote Console Access: allow access allow access deny access

Table 5-3. Permissions Page Controls

Item	Name	Description
1	Show Permissions for User/Group	Click on the pull-down arrow to activate the user/group permissions selection menu.
2	Update	Click this icon to update the permissions information.
3	Effective Permissions	This field indicates the actual permissions a user or group has.
4	User Permissions	This field indicates the actual permissions a user has.
5	Inherited Group Permission	This field indicates the permissions a user has due to the fact that they belong to a certain group.

Chapter 6
KVM Settings

The KVM SETTINGS menu allows you to configure keyboard, mouse and console settings. Clicking the KVM SETTINGS icon allows you to access the following pages through its sub-menus:

- User Console
- Keyboard/Mouse

6-1 User Console

Selecting the USER CONSOLE option in the KVM SETTINGS submenu brings up the KVM SETTINGS page (Figure 6-1). Use this page to set the remote console settings to specific users. This page has several sections:

- **Transmission Encoding:** This field allows you to specify how the video data is to be transmitted between the local system and the remote host.
- **Remote Console Type:** This field allows you to decide which remote console viewer to use.
- **Miscellaneous Remote Console Settings:** This field allows you to specify the following Remote Console Settings.
- **Mouse Hotkey:** This option allows you to use a hot key combination to specify either mouse synchronization mode or the single mouse mode.
- **Remote Console Button Keys:** This field allows you to define button keys for the remote host. The button keys allow simulating keystrokes on a remote host or issuing commands to a remote system. The button keys are needed when you have a missing key or when you want to prevent interference caused to the local system.

NOTE: After a remote console button key is set, it will appear on the right upper corner of the remote monitor page as shown in Figure 6-1.

For further detailed instructions in creating button keys, please click on the CLICK HERE FOR HELP link.

The controls found in the above sections are shown and described in detail in Table 6-1.

Figure 6-1. User Console Page

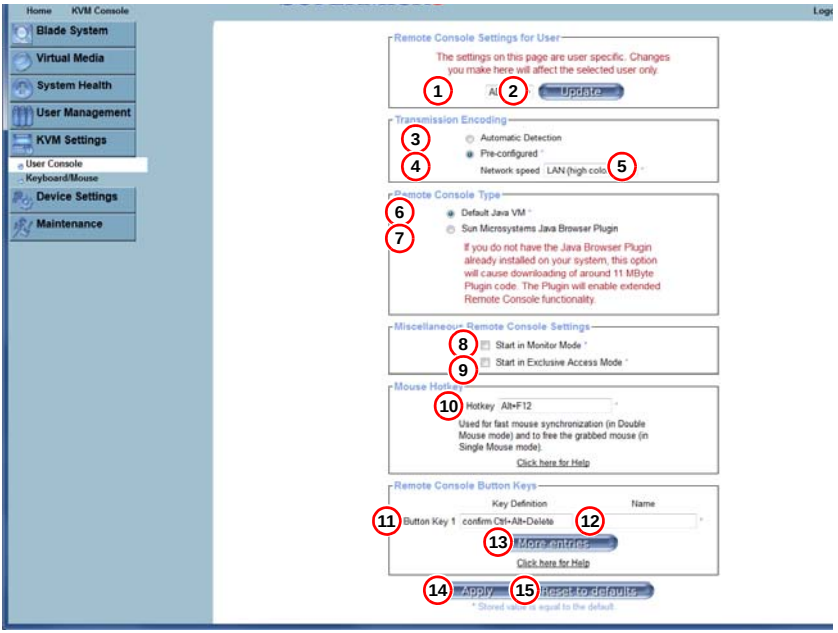


Table 6-1. User Console Page Controls

Item	Name	Description
1	Remote Console Settings for User	This field allows you to decide which group the user belongs to. Click on the arrow on the right to activate the pull-down menu and highlight the name of the group to select it.
2	Update	Once you've selected the group name, click on UPDATE to save the selections.
3	Automatic Detection	Select this option to allow the CMM to automatically detect the networking configuration settings (such as the bandwidth of the connection line) and transmit data accordingly.
4	Pre-configured	This item allows the user to select the data transmission settings from a pre-defined options list. The pre-configured settings will provide the best results because the compression and color depth settings will be adjusted for optimization based on the network speed indicated.
5	Network speed	Once you've selected the PRE-CONFIGURED option above, you then can select a desired network speed setting from the pull-down menu by clicking on the arrow.
6	Default Java VM (JVM)	Select this option to use the default Java Virtual Machine of your web browser. This can be the Microsoft JVM for Internet Explorer or the Sun JVM depending on the configuration of your browser.

Table 6-1. User Console Page Controls (Continued)

Item	Name	Description
7	Sun Microsystems Java Browser Plugin	Select this option when the JVM used to run the code for the Remote Console is a Java Applet. If using this function for the first time and the appropriate Java plugin is not yet installed in your system, you may download and install it automatically. To download and install, you need to check YES in the dialog boxes. Downloading Sun's JVM will allow you to use a stable and identical JVM across different platforms. **NOTE:** If your internet connection is slow, please pre-install JVM on your administration system.
8	Start in Monitor Mode	Check this box to enable **Start in Monitor Mode**, which allows data to be displayed on the remote monitor as soon as the Remote Console is activated. **NOTE:** The data displayed in the remote monitor is read-only.
9	Start in Exclusive Access Mode	Check this box to enable the exclusive access mode immediately upon Remote Console startup, which will force all other users connected to the network to close. No other users can open the Remote Console until you disable this function or log off.
10	Hotkey	Enter a hot key combination in the box to specify either mouse synchronization mode or the single mouse mode.
11	Button Keys	Enter the syntax of a button key in the box. For detailed instructions on creating button keys, please click on the “Click here for Help” link.
12	Name	Type in the name of a button key in the box. For detailed instructions on creating button keys, please click on the CLICK HERE FOR HELP link.
13	More Entries	Click on this icon to create more button keys.
14	Apply	Click this icon to apply the selections you made.
15	Reset to Defaults	Click this icon if you want to reset the defaults for the Remote Console button keys.

6-2 Keyboard/Mouse

Selecting the KEYBOARD/MOUSE option in the KVM SETTINGS submenu allows you to specify the parameters for the keyboard and mouse on the KEYBOARD/MOUSE page (Figure 6-2). The controls for this page are shown and explained in Table 6-2.

Figure 6-2. Keyboard/Mouse Page

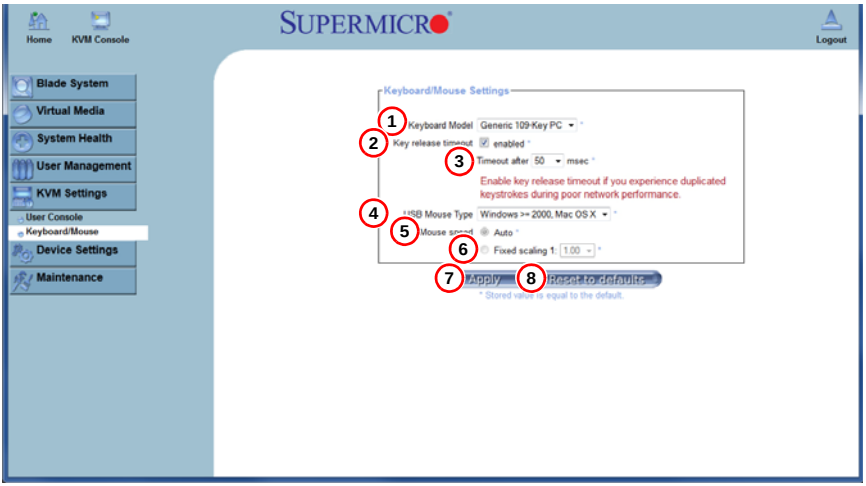


Table 6-2. Keyboard/Mouse Page Controls

Item	Name	Description
1	Keyboard Model	Click the arrow for the pull-down menu to specify the type of keyboard.
2	Key Release Timeout	Check this box to enable the function of KEY RELEASE TIMEOUT, which sets the time limit for a key to be pressed by the user.
3	Timeout after____msec	If the KEY RELEASE TIMEOUT check box has been enabled, click on the arrow to select the time-out setting in the pull-down menu.
4	USB Mouse Type	For a USB mouse to function properly, please select the correct operating system for your system from the pull-down menu by clicking on the arrow.
5	Mouse Speed-Auto	Click the check box to allow your system to automatically set your mouse speed.
6	Fixed Scaling	You can also check the FIXED SCALING check box and manually set the mouse speed with the pull-down menu.
7	Apply	Click on this icon to enter your selections.
8	Reset to defaults	Click this icon to cancel your selections and use the default values that have been pre-set by the manufacturer.

Chapter 7
Device Settings

Use the DEVICE SETTINGS menu for configuring network, security and log settings for your SuperBlade system. Clicking the DEVICE SETTINGS icon allows you to access the following pages through its sub-menus:

- Network
- Dynamic DNS
- Security
- Event Log

7-1 Network

Clicking the NETWORK option in the DEVICE SETTINGS submenu brings up the NETWORK page (Figure 7-1). Use the below fields in the page to specify network parameters.

- **Network Basic Settings:** These fields allow you to configure basic network settings.
- **Network Miscellaneous Settings:** These fields allow you to configure miscellaneous network settings.
- **LAN Interface Settings:** These fields allow you to configure LAN Interface settings.

The controls in these fields are shown and detailed in Table 7-1.

Figure 7-1. Network Page

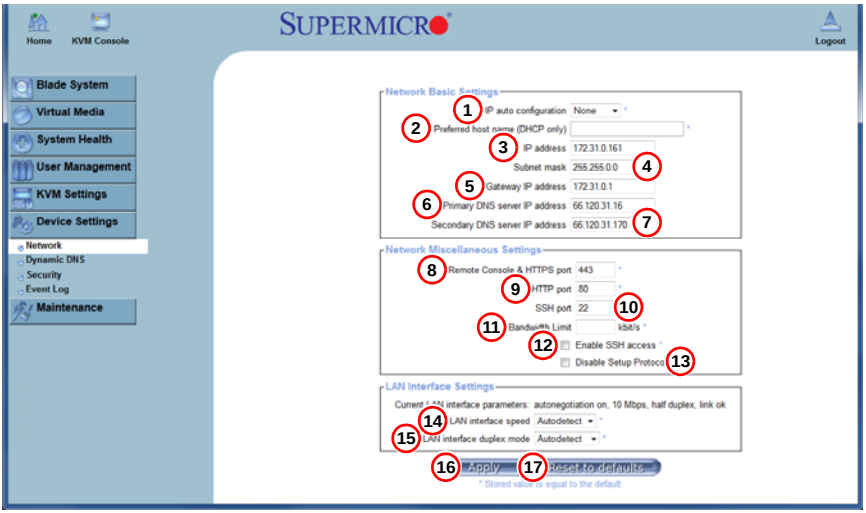


Table 7-1. Network Page Controls

Item	Name	Description
1	IP Auto Configuration	Click on the pull-down menu to select a desired item from the list. The options are NONE, DHCP, and BOOTP.
2	Preferred Host Name (DHCP only)	Enter a preferred host name here.
3	IP Address	Enter the IP address for the remote host here.
4	Subnet Mask	Enter the subnet mask of the local network here.
5	Gateway IP Address	Enter the local network router's IP address here to provide accessibility for users that are not connected to the local network.
6	Primary DNS Server IP Address	Enter the IP address of the Primary Domain Name Server here.

Table 7-1. Network Page Controls (Continued)

Item	Name	Description
7	Secondary DNS Server IP Address	Enter the IP address of the Secondary Domain Name Server in the box. It will be used when the Primary DNS Server cannot be contacted.
8	Remote Console & HTTPS Port	Enter the port numbers the remote host and the HTTP server are listening. If a number is not entered in the box, the default value will be used.
9	HTTP Port	Enter the port number the of the HTTP server. If a number is not entered in the box, the default value will be used.
10	SSH Port	Enter the port number of the SSH server. If a number is not entered in the box, the default value will be used.
11	Bandwidth Limit	Enter the maximum bandwidth value for network interfacing. The value should be in Kbits per second.
12	Enable SSH Access	Click this box to enable SSH access.
13	Disable Setup Protocol	Check this box to disable the setup protocol function of the SIMBL card.
14	LAN Interface Speed	Click on the arrow on the right to select a desired LAN interface speed from the pull-down menu. The options are Auto-detect, 10 Mbps or 100 Mbps. If Auto-detect is selected, the optimized speed will be set based on the system configurations detected by the OS.
15	LAN Interface Duplex Mode	Click on the arrow on the right to select a desired LAN interface duplex mode from the pull-down menu. The options are AUTO-DETECT, HALF DUPLEX and FULL DUPLEX. If Auto-detect is selected, the LAN INTERFACE DUPLEX MODE will be set to the optimized setting based on the system configurations detected by the OS.
16	Apply	Click this icon to apply the selections you made.
17	Reset to Defaults	Click this icon if you want to reset the defaults for the Remote Console button keys.

7-2 Dynamic DNS

Selecting the DYNAMIC DNS option from the DEVICE SETTINGS submenu brings up the DYNAMIC DNS SETTINGS page (Figure 7-2). Use this page to configure Dynamic DNS settings. Controls for this page are shown and detailed in Table 7-2.

Figure 7-2. Dynamic DNS Settings Page

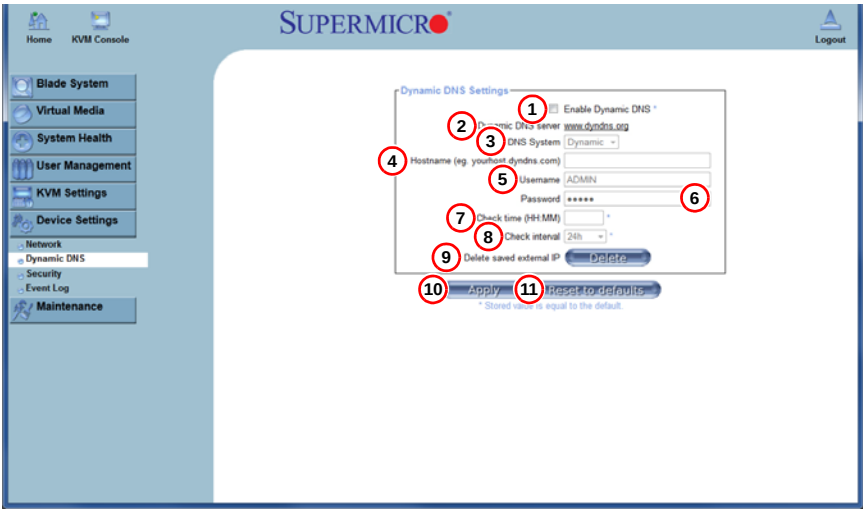


Table 7-2. Dynamic DNS Settings Page Controls

Item	Name	Description
1	Enable Dynamic DNS	Check this box to enable Dynamic DNS.
2	Dynamic DNS Server Link	Click the www.dyndns.org: link to access the DynDNS web site. This is the server name where the DDNS Service is registered.
3	DNS System	If Dynamic DNS is enabled, you can select either CUSTOM or DYNAMIC from the pull-down menu. Select CUSTOM to use your own system as the DNS server. Select DYNAMIC to use the pre-configured Dynamic DNS as your server.
4	Hostname	Enter the name you want to use for the remote host server.
5	Username	Enter the username for the remote host user.
6	Password	Enter the password for the remote host user.
7	Check time (HH:MM)	Enter the time the SIMCM card first registers with the DNS server in the **HH:MM** format (such as: 07:25 or 19:30).
8	Check Interval	Enter the time interval for the IPMI to report to the Dynamic DNS again.

Table 7-2. Dynamic DNS Settings Page Controls

Item	Name	Description
9	Delete Saved External IP Address	Click this icon to delete the IP address for an external system that has been previously entered and saved.
10	Apply	Click this icon to apply the selections you made.
11	Reset to Defaults	Click this icon if you want to reset the defaults for the Remote Console button keys.

7-3 Security

Selecting the SECURITY option from the DEVICE SETTINGS submenu brings up the SECURITY page (Figure 7-3). Use this page to configure the Security settings. Controls for this page are shown and detailed in Table 7-3.

- **Encryption Settings:** This field allows you to configure encryption settings.
- **IP Access Control:** This section allows you to configure the IP Access Control settings listed below.
- **User Blocking:** This field allows you to set the user blocking conditions.

Figure 7-3. Security Page

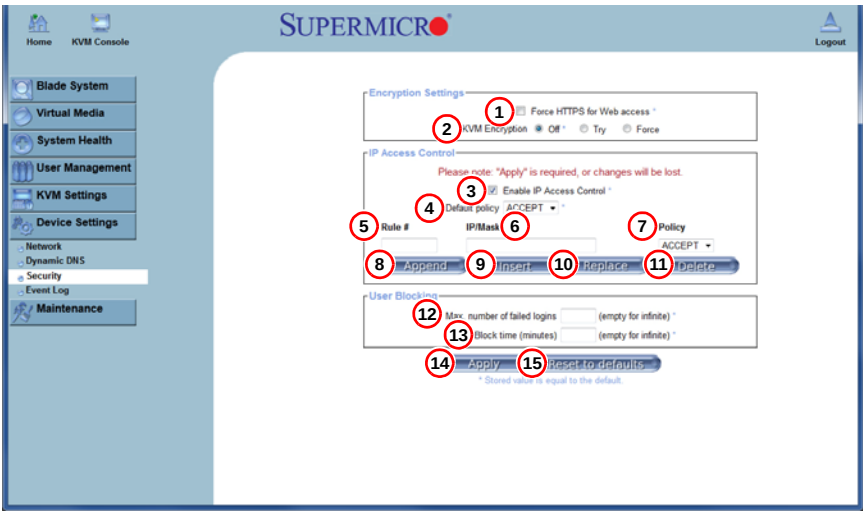


Table 7-3. Security Page Controls

Item	Name	Description
1	Force HTTPS for Web Access	Check this box to enable Force HTTPS for Web Access. If enabled, you will need to use an HTTPS connection to access the web management utility.
2	KVM Encryption	This option allows you to configure the encryption of the RFB protocol. RFB is used by the remote host to transmit video data displayed in the host monitor to the local administrator machine and to transmit keyboard and mouse data from the local administrator machine back to the remote host. If set to OFF, no encryption will be used. If set to TRY, the applet (JVM of the remote host) will attempt to make an encrypted connection. In this case, when a connection cannot be established, an unencrypted connection will be used. If set to FORCE, the applet will make an encrypted connection. In this case, an error will be reported if no connection is made.
3	Enable IP Access Control	Check this box to enable IP Access Control. This function is used to limit user access to the network by identifying them by their IP address (available to the LAN interface only.)

Table 7-3. Security Page Controls (Continued)

Item	Name	Description
4	Default Policy	When IP ACCESS CONTROL is enabled, you can select either Accept or Drop from this pull-down menu to either allow or deny access according to pre-defined rules. **NOTE:** If set to DROP and you do not have a set of rules that will accept the Internet connection, then an Internet connection over the LAN is impossible. In this case, you need to change your security settings via modem or by disabling the IP ACCESS CONTROL.
5	Rule#	Enter a rule number in the box for a command (or commands) that will be used by the IP ACCESS CONTROL.
6	IP/Mask	Enter the IP address or an IP address range for which the command(s) will be applied.
7	Policy	This item instructs the IPMI what to do with the matching packages. **NOTE:** The sequence or the order of the rules is important; rules are checked in ascending order until one matches. All rules below the matching one will be ignored. The default policy applies if no matching rules are found.
8	Append	Select this option to add IP Address/Mask, rules or commands to the existing ones.
9	Insert	Select this option to insert IP Address/Mask, rules or commands to the existing ones.
10	Replace	Select this option to replace an old IP Address/Mask, rule or command with a new one.
11	Delete	Select this option to delete (a part of) an existing IP Address/Mask, rule or command.
12	Max. Number of Failed Logins	Enter the maximum number of failed attempts or failed logins allowed for a user. If the number of failed logins or attempts exceeds this maximum number allowed, the user will be blocked from the system. **NOTE:** If this box is left empty, the user is allowed to try to login to the server indefinitely. For network security, this is not recommended.
13	Block Time (Minutes)	Enter the number of minutes allowed for a user to attempt to login. If the user fails to login within this time allowed, the user will be blocked from system. **NOTE:** If this box is left empty, the user is allowed to try to login to the server indefinitely. For network security, this is not recommended.
14	Apply	Click this icon to apply the selections you made.
15	Reset to Defaults	Click this icon if you want to reset the defaults for the Remote Console button keys.

7-4 Event Log

Selecting the EVENT LOG option from the DEVICE SETTINGS submenu brings up the DEVICE SETTINGS EVENT LOG page (Figure 7-4). Use this page to set event log targets and assignments. Controls for this page are shown and detailed in Table 7-4.

- **Event Log Targets:** This section allows you to manually set the event log targets and settings.
- **Event Log Assignments:** This window allows you to specify the types and the destination for the event logging.

Figure 7-4. Device Settings Event Log Page

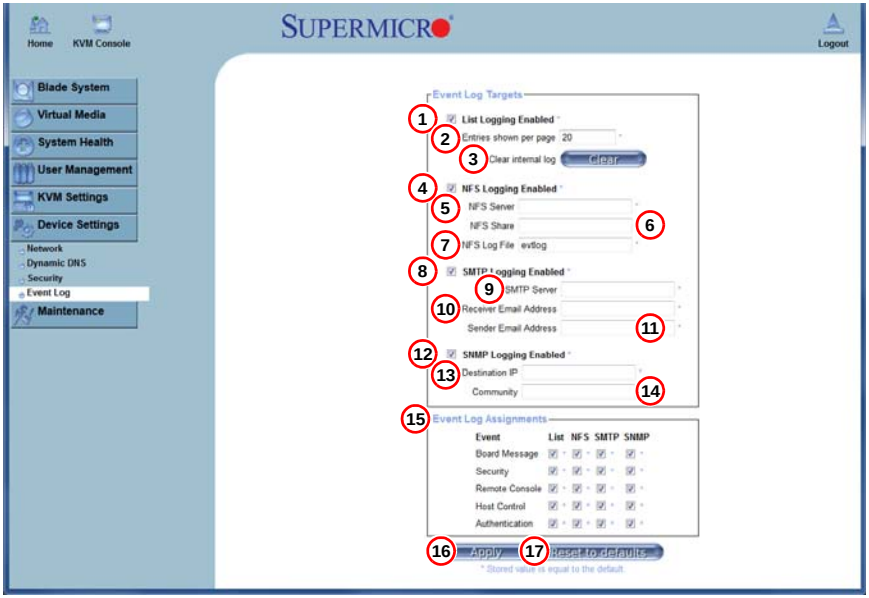


Table 7-4. Device Settings Event Log Page Controls

Item	Name	Description
1	List Logging Enabled	Check this box to activate the event-logging list. To show the event log list, click on EVENT LOG under SYSTEM HEALTH. **NOTE:** The maximum number of log list entries is 1,000 events. Every entry that exceeds this limit will automatically override the oldest one in the list. If the reset button is pressed, all logging information will be saved, however, all logging data will be lost if a hard reset is performed or the system loses power.
2	Entries Shown Per Page	Enter the number of entries you want to display on a page.
3	Clear Internal Log	Click this icon to clear the internal event log from memory.

Table 7-4. Device Settings Event Log Page Controls (Continued)

Item	Name	Description
4	NFS Logging Enabled	Click this box to enable NFS Logging, which will create a Network File System (NFS) for the event logging data to be written into.
5	NFS Server	Enter the IP Address of the NFS server here.
6	NFS Share	Enter the path of the Network File System in which the event logging data is stored.
7	NFS Log File	Enter the filename of the Network File System in which the event logging data is stored.
8	SMTP Logging Enabled	Check this box to enable the SMTP (Simple Mail Transfer Protocol) logging.
9	SMTP Server	Enter the IP Address for the SMTP server.
10	Receiver Email Address	Enter the email address that the SMTP event logging data will be sent to.
11	Sender Email Address	Enter the email address from which the SMTP event logging data is sent.
12	SNMP Logging Enabled	Check this box to enable SNMP (Simple Network Management Protocol) logging.
13	Destination IP	Enter the IP address where the SNMP trap will be sent to.
14	Community	Enter the name of the community if the receiver requires a community string.
15	Event Log Assignments	Check the check boxes in this section to include the designated assignment to the event log.
16	Apply	Click this icon to apply the selections you made.
17	Reset to Defaults	Click this icon if you want to reset the defaults for the Remote Console button keys.

Notes

Chapter 8
Maintenance

Use the MAINTENANCE menu for maintenance configurations on your SuperBlade system. Clicking the MAINTENANCE icon allows you to access the following pages through its sub-menus:

- Device Information
- Event Log
- Update Firmware
- Unit Reset

8-1 Device Information

Clicking the DEVICE INFORMATION option in the MAINTENANCE submenu brings up the DEVICE INFORMATION page (Figure 8-1), which provides system information. The controls for this page are detailed in Table 8-1.

Figure 8-1. Device Information Page

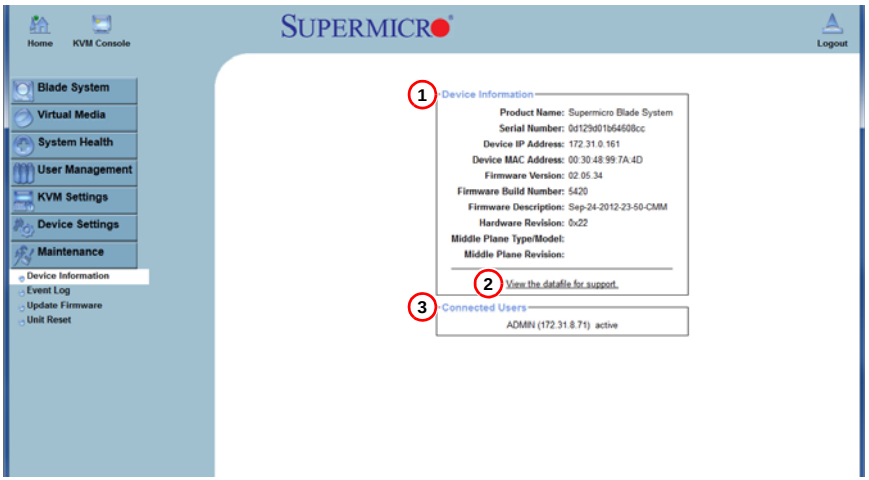


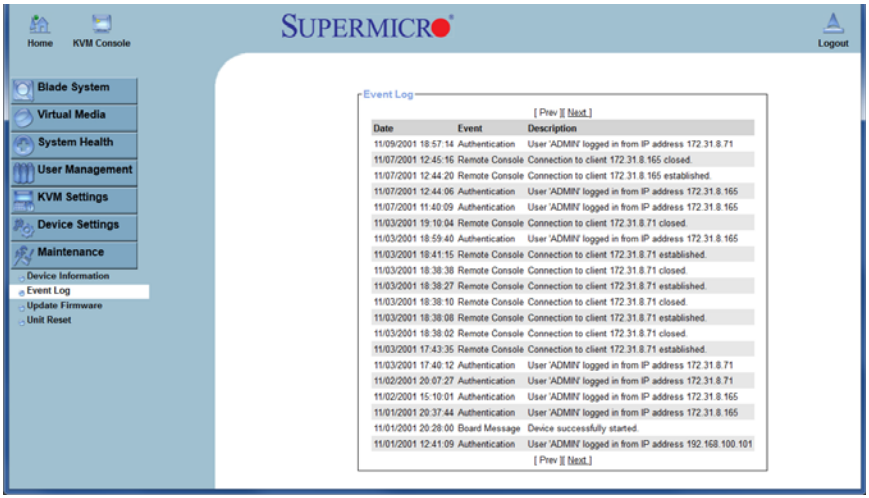
Table 8-1. Device Information Page Controls

Item	Name	Description
1	Device Information	This field displays information on the SIMCM card and its firmware.
2	View the Data File for Support	Click on this link to view the XML file which contains product information that is needed for technical support.
3	Connected Users	List the name(s), the IP Address(es) and the status of the connect user(s).

8-2 Event Log

Clicking the EVENT LOG option in the MAINTENANCE submenu brings up the MAINTENANCE EVENT LOG LIST page (Figure 8-2). This page contains information on events that are recorded by the SIMCM in the order of Date/Time, Types and Descriptions including the IP address(es), user(s) and activities involved.

Figure 8-2. Maintenance Event Log List Page


Home
KVM Console
SUPERMICRO
Logout
Blade System
Virtual Media
System Health
User Management
KVM Settings
Device Settings
Maintenance
Device Information
Event Log
Update Firmware
Unit Reset
Event Log
[Prev][Next]
Date Event Description
11/09/2001 18:57:14 Authentication User 'ADMIN' logged in from IP address 172.31.8.71
11/07/2001 12:45:16 Remote Console Connection to client 172.31.8.165 closed.
11/07/2001 12:44:20 Remote Console Connection to client 172.31.8.165 established.
11/07/2001 12:44:06 Authentication User 'ADMIN' logged in from IP address 172.31.8.165
11/07/2001 11:40:09 Authentication User 'ADMIN' logged in from IP address 172.31.8.165
11/03/2001 19:10:04 Remote Console Connection to client 172.31.8.71 closed.
11/03/2001 18:59:40 Authentication User 'ADMIN' logged in from IP address 172.31.8.165
11/03/2001 18:41:15 Remote Console Connection to client 172.31.8.71 established.
11/03/2001 18:38:38 Remote Console Connection to client 172.31.8.71 closed.
11/03/2001 18:38:27 Remote Console Connection to client 172.31.8.71 established.
11/03/2001 18:38:10 Remote Console Connection to client 172.31.8.71 closed.
11/03/2001 18:38:08 Remote Console Connection to client 172.31.8.71 established.
11/03/2001 18:38:02 Remote Console Connection to client 172.31.8.71 closed.
11/03/2001 17:43:35 Remote Console Connection to client 172.31.8.71 established.
11/03/2001 17:40:12 Authentication User 'ADMIN' logged in from IP address 172.31.8.71
11/02/2001 20:07:27 Authentication User 'ADMIN' logged in from IP address 172.31.8.71
11/02/2001 15:10:01 Authentication User 'ADMIN' logged in from IP address 172.31.8.165
11/01/2001 20:37:44 Authentication User 'ADMIN' logged in from IP address 172.31.8.165
11/01/2001 20:28:00 Board Message Device successfully started.
11/01/2001 12:41:09 Authentication User 'ADMIN' logged in from IP address 192.168.100.101
[Prev][Next]

8-3 Update Firmware

Clicking the UPDATE FIRMWARE option in the MAINTENANCE submenu brings up the UPDATE FIRMWARE page (Figure 8-3). This page is where you can update the firmware for the SIMCM card in the CMM module. The controls for this page are detailed in Table 8-2.

NOTE: This process is not reversible once the firmware is updated, so proceed with caution. It might take a few minutes to complete this procedure.

Figure 8-3. Update Firmware Page

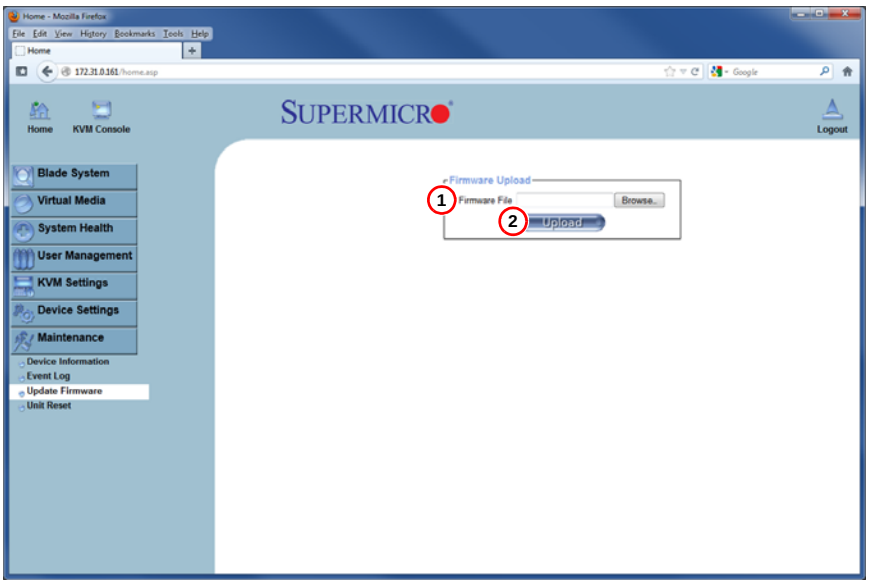


Table 8-2. Update Firmware Page Controls

Item	Name	Description
1	Firmware File	Enter the name of the firmware you want to update or click BROWSE to select the file.
2	Upload	Click on the UPLOAD icon to upload the firmware file to the server for the update.

8-4 Unit Reset

Clicking the UNIT RESET option in the MAINTENANCE submenu brings up the UNIT RESET page (Figure 8-4), which allows you to reset USB and Device components. The controls for this page are detailed in Table 8-3.

Figure 8-4. Unit Reset Page

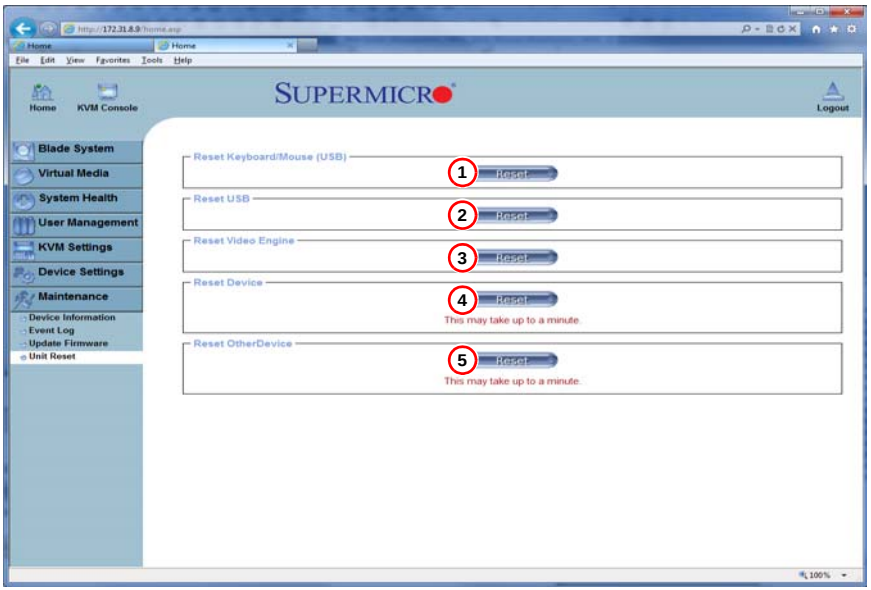


Table 8-3. Unit Reset Page Controls

Item	Name	Description
1	Reset Keyboard/ Mouse (USB)	Click the RESET icon to reset the Keyboard/Mouse (USB) module.
2	Reset USB	Click the RESET icon to reset the USB module.
3	Reset Video Engine	Click the RESET icon to reset the Video Engine module.
4	Reset Device	Click the RESET icon to cold reset the utility's firmware.
5	Reset Other Device	If your Blade system has a secondary CMM, then the Reset Other Device section will be shown. As above with the Reset Device icon, click this icon to cold reset the utilities firmware. If a primary CMM module is rebooted or removed, then the secondary CMM will automatically become the primary CMM, but the IP address will be different.

Chapter 9
Remote Console

This chapter covers the use of the Remote Console in the Web-based Management Utility software. Activating the remote console may be done in two ways:

- **Home Page:** On the HOME page, click on the CONSOLE icon in the upper left area of the page.
- **Blade System Menu:** Click the BLADE SYSTEM icon on the left of the page, then click BLADE in the submenu. A page will open with a list of blades.

  The blade units listed are hyperlinks - click one of these to open a page giving details on that blade unit. In each page you will see a REMOTE CONSOLE PREVIEW pane. At the top is a link that reads CLICK TO OPEN. Click this link to open the remote console.

9-1 Remote Console Interface Page

Whatever option you use, it allows the local host to interact with a remote server through the REMOTE CONSOLE INTERFACE page (Figure 9-1). This page allows you to share files stored in the local drive with a user connected to the remote server, download data from a local drive to the remote server, issue commands to manage the remote server or allow the remote server be controlled and managed by a local user logged in to the remote server (see Table 9-1 for a list of controls). This function provides a full spectrum of remote console interaction and management.

Figure 9-1. Remote Console Interface Page

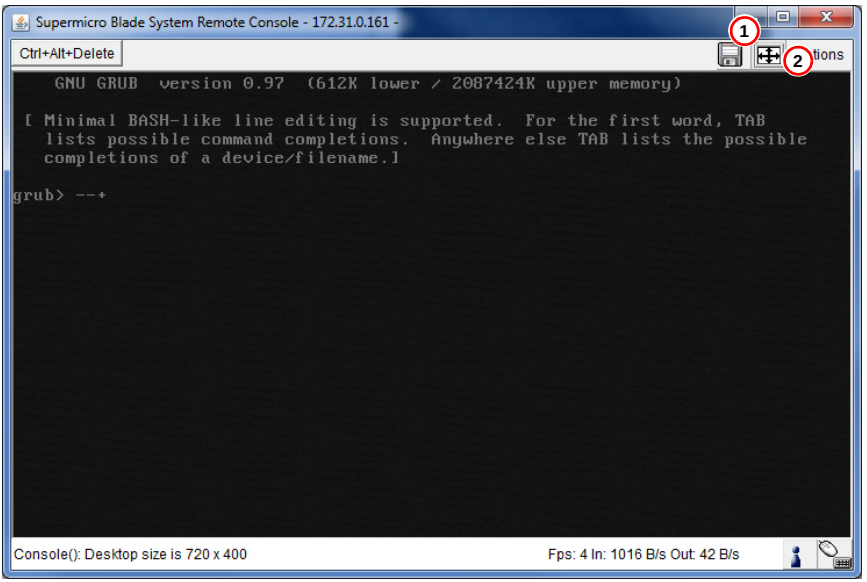

Supermicro Blade System Remote Console - 172.31.0.161 -
Ctrl+Alt+Delete
1
2
tions
GNU GRUB version 0.97 (612K lower / 2087424K upper memory)
[Minimal BASH-like line editing is supported. For the first word, TAB
lists possible command completions. Anywhere else TAB lists the possible
completions of a device/filename.]
grub> --+
Console(): Desktop size is 720 x 400
Fps: 4 In: 1016 B/s Out: 42 B/s

Table 9-1. Remote Console Interface Page

Item	Name	Description
1	Drive Page Button	Click on this button to open and display the DRIVE REDIRECTION page and its controls. See "Drive Redirection Page" below for details.
2	Adjust Page Button	Click on this button to adjust the page size.

9-2 Drive Redirection Page

The DRIVE REDIRECTION page is shown in Table 9-2 and its controls are listed in Table 9-2.

Figure 9-2. Drive Redirection Page

Table 9-2. Drive Redirection Page Controls

Item	Name	Description
1	Connect Drive	Click this button to bring up a window with secondary controls for Local Drive list, Refresh, Sending Commands and Write Support (see below for details on these controls). Once you have clicked CONNECT, users logged into remote servers will have access to the local drive that you have selected.
2	Connect ISO	Click this button to allow you to redirect an CD/DVD ISO image.
3	Disconnect	Click this button to cancel the connection established between a local drive and a remote server. Once you click this button, the drive you have selected will not be accessible for remote console interface.
Local Drive List		This pull-down menu displays a list of local drives available for remote access. Select from the list a local drive that you want to make accessible for a remote server.
Refresh		Click this button to refresh the local drive list.
Write Support		Check this button to allow the remote operating system to have write access to the drive that you have selected. This function allows a user to alter, overwrite, erase and destroy data stored in the drive selected and therefore should only be used on drives with non-critical data. When WRITE SUPPORT is checked, a warning message will display. Read the warning message carefully before enabling this function.
Sending Commands		This functions allows the user to issue a pre-defined command to a remote server for execution.

To use this function, you need to click the FLOPPY hot key button displayed on the upper right corner of the page.

NOTE: Hot keys are commands that have been pre-defined and pre-stored in a remote consoles.

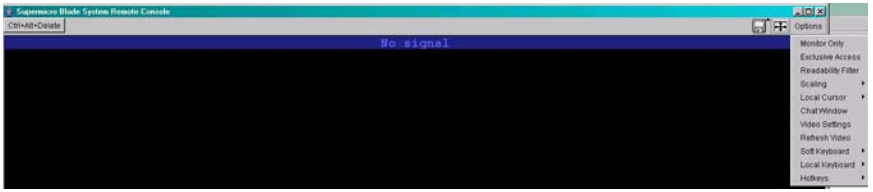
Click the CTRL+ALT+DELETE button to send the command CTRL+ALT+DELETE to the remote server for execution.

Once you have clicked on the button, it displays a message asking you to confirm if you really want to send CTRL+ALT+DELETE. Click YES to confirm or click CANCEL to cancel sending the command for remote execution.

9-3 Remote Console Options

After the remote console page appears, click on OPTION in the upper right corner to display the OPTIONS menu as shown in Figure 9-3.

Figure 9-3. Remote Console Options



The following items are included in the OPTIONS Menu and described in more detail in the sections below:

- Monitor Only
- Exclusive Access
- Readability Filter
- Scaling
- Local Cursor
- Chat Window
- Video Settings
- Soft Keyboard
- Local Keyboard
- Hotkeys

Monitor Only

Click MONITOR ONLY to turn the *Monitor Only* function on or off. If MONITOR ONLY is selected, the KB/MOUSE icon on the lower right corner will be crossed out and the user can only view or monitor remote console activities. Also, any remote console interaction will no longer be available.

Exclusive Access

With the appropriate permission, a user can force other users to quit the remote console and claim the console for their own exclusive use by clicking on EXCLUSIVE ACCESS. When this function is selected, the second user icon on the lower left corner of the page will be crossed out.

Readability Filter

Click on this to turn the *Readability Filter* on or off. Turn on this function to preserve most of the page details even when the page image is substantially scaled down.

NOTE: This item is available for systems with JVM 1.4 or higher.

Scaling

This item allows the user to scale the remote console page to the desired size. Click on this button to access its submenu and select the desired setting from the options listed in the submenu: 25%, 50%, 100% and SCALE TO FIT.

Local Cursor

This item allows the user to choose the desired shape for the local cursor. Click on this button to access its submenu and select a desired shape from the options listed in the submenu: TRANSPARENT, DEFAULT, BIG, PIXEL and CROSS-HAIR. The availability of the shapes depends on the Java Virtual Machine used.

Chat Window

This item allows the user to communicate with other users logged in to the same remote host. The page below shows a CHAT WINDOW displayed in a scaled down remote console page (see Figure 9-4). The window's controls are shown in Table 9-3.

NOTE: Once you've typed a message in the chat line box and pressed <ENTER>, your message will be sent to remote systems and read by other users. Please review the text displayed in the chat line box before you hit <ENTER>.

Figure 9-4. Chat Window

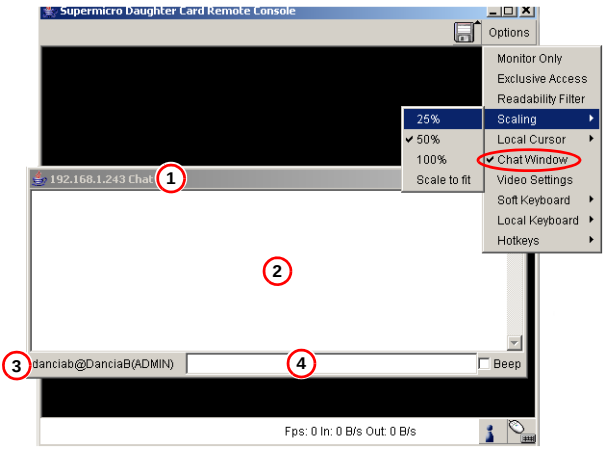


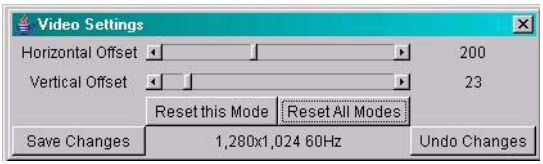
Table 9-3. Items in the Chat Window

Item	Name	Description
1	Title Bar	This shows the IP address of the remote host you are connected to.
2	Chat Window Frame	This frame displays chat messages, including your own messages that have been sent to other users. This is a read-only test display area.
3	User's Identity Label	This line displays your own identity.
4	Chat Line	This is an editable text line where you can enter a new message.

Video Settings

This item allows the user to set the monitor display settings by clicking on the VIDEO SETTINGS button. After you've clicked the VIDEO SETTINGS button, the submenu displays as shown in Figure 9-5.

Figure 9-5. Video Settings



Use your cursor pointer to click on the left and right arrows to adjust the setting for the HORIZONTAL OFFSET and VERTICAL OFFSET.

If you are not happy with the changes you've made, you can click the RESET THIS MODE button to reset a particular item, or click on the RESET ALL MODES button to reset all items. To save all changes, click on the SAVE CHANGES button. You can also click on UNDO CHANGES to abandon the changes.

Soft Keyboard

This item allows the user to use the soft keys that have been pre-installed in the *Soft Keyboard* of the particular language selected. Click on SHOW BUTTON to show a soft keyboard which contains pre-installed soft keys (see Figure 9-6). Click on MAPPING to display a list of major world languages. When the language list displays, select the language you want to use by clicking on it (see Figure 9-7).

Figure 9-6. Keys in English Soft Keyboard

Figure 9-7. Soft Keyboard Language Selection

Local Keyboard

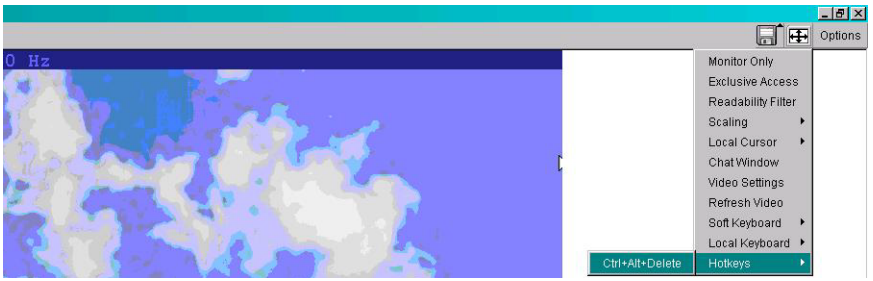
This item allows the user to manually change the local keyboard setting for interaction with a remote host. Use this function to change the language mapping of your browser machine running the remote console host. After you have clicked LOCAL KEYBOARD button, a language submenu displays. When this language list displays, select the language you want to use.

Hotkeys

This item allows the user to select a pre-defined hot key from a list. Once a hot key is selected, the command associated with the hot key will be sent to the remote console host for execution.

After you've clicked the HOTKEY button, the submenu displays as shown in Figure 9-8.

Figure 9-8. Hotkeys



Notes

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